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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/726,322	12/01/2003	William P. Kroll	INT129USA	3651
24339	7590	02/07/2005	EXAMINER MILLER, TAKISHA S	
JOEL D. SKINNER, JR. SKINNER AND ASSOCIATES 212 COMMERCIAL ST. HUDSON, WI 54016			ART UNIT 2855	PAPER NUMBER

DATE MAILED: 02/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/726,322

Applicant(s)

KROLL ET AL.

Examiner

Takisha Miller

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 April 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

DETAILED ACTION

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the “output connection means”; “printer” and “computer” must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled “Replacement Sheet” in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

2. Claim 16 is objected to because of the following informalities: “the four articles” lacks antecedent basis. Appropriate correction is required.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anzai et al. (5,429,166)(hereinafter Anzai) in view of Evans et al. (US 2002/0139288)(hereinafter Evans).

a. With respect to claims 1, 11- 20, Anzai teaches an apparatus (1) comprising a pressure transducer (15), a control system (5/19) communicatively connected to the pressure transducer (15) and a display (12) communicatively connected to the control system (5/19). Anzai fails to teach the display indicates at least four pressure readings at the same time. Evans teaches a display (546) which indicates at least four pressure readings at the same time (Fig. 4). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Anzai to include a display capable of displaying at least four pressure readings at the same time as taught by Evans in order to more quickly display/report the pressure of each different wheel of the vehicle (see Evans; ¶ 0056, lines 16-27)(Fig.16).

b. With respect to claims 2, 19 and 20 Anzai teaches an apparatus wherein the pressure transducer is adapted to be communicatively connected to a tire (8)(Fig. 2).

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- c. With respect to claim 3, Anzai teaches an apparatus further comprising a hose (6) connected to the pressure transducer, the hose (6) being for connection to the tire (8)(Fig.2).
- d. With respect to claim 4, Anzai teaches an apparatus wherein the control system (5/19) includes a microprocessor (Col. 5, lines 40-41).
- e. With respect to claim 5, Anzai teaches an apparatus wherein the control system (5/19) memory stores pressure data from successive articles comprising a four set sequence (Col.6, lines 8-20).
- f. With respect to claims 6, 19 and 20 Anzai teaches an apparatus wherein the memory stores data from a plurality of pressure measurement sequences (Col.6, lines 8-65).
- g. With respect to claims 7 and 8, Anzai teaches an apparatus of claim 1, wherein the control system includes operator control switches (10)(Fig.1).
- h. With respect to claims 9 and 10, Anzai teaches an apparatus wherein the control system (5/19) includes timing means (Col.7, lines 30-31).
- i. With respect to claim 14, Anzai teaches an apparatus wherein the display (12) is a pair of separate displays (12 a-d).
- j. With respect to claims 16,19 and 20 Anzai teaches an apparatus comprising a display (12) showing at least two pressures at the same time (Fig.1). It would have been obvious to a person having ordinary skill in the art at the time the invention was made to provide a display showing at least eight pressures at the same time, since it has been held that the mere duplication of the essential working parts of a device involves only routine

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skill in the art. *St. Regis Paper Co. v. Bemis Co.*, 193 USPQ 8. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Anzai to include a display showing at least eight pressures at the same time since it is readily available in the art (MPEP 2144).


Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. (5,578,984) and (6,445,287) teaches tire pressure apparatuses.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Takisha Miller whose telephone number is (571) 272-2184. The examiner can normally be reached on Monday - Friday (7:00 am - 3:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on (571) 272-2180. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


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